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~~AR Coordinator, MS-78~~
File Record No. 52700, index #1.5

*Discharge Monitoring
Report*

MONTHLY REPORT FORM

4500

Name, Address City, County, ZIP :
 DOE FERNALD ENVIRONMENTAL MGMT
 OH
 or Fernald
 P. Box 538704
 Cincinnati OH 45253870

Station Code : 001
 Reported Date (Month Year) : December 2004

Application :
 11000004*GD

1/13/2005

Sampling Station Description :
 Final Outfall

1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample
 2) - Enter frequency of sampling

Reporting Lab :

Analyst :

(1)	2	3	2	2	2	2	2
(2)	998	1	998	998	998	998	998
Day	(80082) CBOD 5 day mg/l	(32106) Chloroform ug/l	(01094) Zinc, Total Recoverable ug/l	(01113) Cadmium, Total Recoverable ug/l	(01114) Lead, Total Recoverable ug/l	(01118) Chromium, Total Recoverable ug/l	(01119) Copper, Total Recoverable ug/l
01	AA		AA	AA	AA	1.74	22
02							
03	AA		AA	AA	AA	AA	AA
04							
05			AH	AH	AH	AH	AH
06							
07							
08							
09							
10	AA		AA	AA	AA	2.79	1.29
11							
12							
13	AA	AA	AA	AA	AA	2.27	AA
14			AA	AA	AA	2.46	AA
15	AA		AA	AA	AA	2.18	AA
16							
17			AA	AA	AA	2.32	AA
18							
19							
20							
21	AA		AA	AA	AA	2.1	AA
22							
23							
24							
25							
26			AA	AA	AA	2.09	AA
27	AA		AA	AA	AA	2.03	AA
28	AA		AA	AA	AA	1.9	AA
29							
30							
31							
TOTAL	0	0	0	0	0	21.88	23.29
VG	0	0	0	0	0	1.9891	2.1173
MAX	0	0	0	0	0	2.79	22
MIN	0	0	0	0	0	0	0

I certify under the penalty of law that I have personally examined and am familiar with the information submitted and based on my
 knowledge of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate
 and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Report Completed:
 1/13/2005

Signature of Reporter:
 Frank Johnston

Title of Reporter:
 Environmental Compliance

MONTHLY REPORT FORM

4500

Name, Address City, County, ZIP :
 SDOE FERNALD ENVIRONMENTAL MGMT
 ROJ
 Duor Fernald
 O. Box 538704
 Cincinnati OH 45253870

Station Code :
 001

Reported Date (Month Year) :
 December 2004

Application :
 11000004*GD

1/13/2005

Sampling Station Description :
 Final Outfall

(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample
 (2) - Enter frequency of sampling

Reporting Lab :

Analyst :

(1)	2	2	2	2	2	2	2
(2)	998	998	998	998	998	998	998
	(01268) Antimony, Total Recoverable ug/l	(01055) Manganese, Total (Mn) ug/l	(01062) Molybdenum (Mo) ug/l	(01074) Nickel, Total Recoverable ug/l	(01079) Silver, Total Recoverable ug/l	(00951) Fluoride, Total (F) mg/l	(00978) Arsenic, Total Recoverable ug/l
Day							
01		145	5.79	AA	AA		
02							
03		40.4	3.27	AA	AA		
04							
05			AH	AH	AH		
06							
07							
08							
09							
10		202	2.77	1.19	AA		
11							
12							
13		127	5.16	AA	AA		
14			6.31	AA	AA		
15		128	6.29	1.03	AA		
16							
17			8.52	1.13	AA		
18							
19							
20	AA					0.17	AA
21		172	1.8	1.52	AA		
22							
23							
24							
25							
26			2.75	1.15	AA		
27		192	2.92	1.2	AA		
28		176	3.1	1.12	AA		
29							
30							
31							
TOTAL	0	1182.4	48.68	8.34	0	0.17	0
AVG	0	147.8	4.4255	0.7582	0	0.17	0
MAX	0	202	8.52	1.52	0	0.17	0
MIN	0	40.4	1.8	0	0	0.17	0

Name, Address City, County, ZIP :
 JSDOE FERNALD ENVIRONMENTAL MGMT
 PROJ
 Fluor Fernald
 P.O. Box 538704
 Cincinnati OH 45253870

Station Code :

001

Reported Date (Month Year) :

December 2004

Application :

11000004*GD

1/13/2005

Sampling Station Description :

Final Outfall

(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample

Reporting Lab :

Analyst :

(2) - Enter frequency of sampling

(1)	2	2	2	2	2	3	2
(2)	998	998	998	998	998	1	998
	(00981) Selenium, Total Recoverable ug/l	(00998) Beryllium, Total Recoverable ug/l	(01009) Barium, Total Recoverable ug/l	(01022) Boron, Total (0) ug/l	(00630) Nitrite Plus Nitrate, Total mg/l	(00719) Cyanide, Free mg/l	(00530) Total Suspended Solids mg/l
Day							
01	AA		54.7				4
02							6
03	AA		48.7				2.4
04							3.6
05	AH		AH				AH
06							AH
07							3.2
08							6
09							3.2
10	AA		54.2				3.2
11							3.2
12							3.2
13	AA		50.7				2
14	AA		51.5				2.8
15	AA		52.1				2.4
16							3.6
17	AA		56.8				8.4
18							4
19							3.6
20		AA		49.4	0.262	AA	4
21	AA		57.3				3.2
22							6.4
23							4.4
24							4
25							3.2
26	AA		55.7				2
27	AA		56.8				2
28	AA		55.9				3.6
29							3.2
30							2.8
31							AA
TOTAL	0	0	594.4	49.4	0.262	0	103.6
AVG	0	0	54.0364	49.4	0.262	0	3.5724
MAX	0	0	57.3	49.4	0.262	0	8.4
MIN	0	0	48.7	49.4	0.262	0	0

MONTHLY REPORT FORM

4500

5831

Name, Address City, County, ZIP :
 USDOE FERNALD ENVIRONMENTAL MGMT
 PROJ
 Fluor Fernald
 P.O. Box 538704
 Cincinnati OH 45253870

Station Code : 001
 Reported Date (Month Year) : December 2004

Application :
 1IO00004*GD

1/13/2005

Sampling Station Description :
 Final Outfall

n(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample

Reporting Lab :

Analyst :

n(2) - Enter frequency of sampling

(1)	3	2	3	3	3	3	1
(2)	1	998	1	1	1	1	999
Day	(00556) Oil and Grease, Freon Extr-Grav Meth	(00610) Nitrogen, Ammonia (NH3) mg/l	(00010) Water Temperature C	(00300) Dissolved Oxygen mg/l	(78391) Trichloroethene ug/l	(70301) Solids, Dissolved-Sum of mg/l	(50050) Flow Rate MGD
01	0.606	AA	10.2	8.2			3.915
02			10.2				3.828
03	0.619	AA	10.2	8.6			2.272
04			8.7				1.167
05			8.6				0.018
06			9.4				0.012
07			10.4				0.089
08			10.1				1.249
09			10.2				2.676
10	1.22	AA	10.2	7.4			3.551
11			9.9				4.328
12			9.6				4.081
13	1.72	AA	8.8	7.7	AA		4.212
14			8.2				4.254
15	1.16	AA	8.7	8.5			4.269
16			8.4				4.132
17			9.2				3.782
18			10.2				3.37
19			10.2				3.094
20			10.2			453	3.088
21	0.947	AA	10.2	6.8			2.948
22			9.4				3.762
23			10.2				5.194
24			10.2				5.193
25			10.2				4.89
26			10.3				4.951
27	1.32	AA	10.3	7.3			5.003
28	0.625	AA	10.3	7.1			5.152
29			10.4				5.623
30			10.4				5.599
31			10.2				5.583
TOTAL	8.217	0	303.7	61.6	0	453	111.285
AVG	1.0271	0	9.7968	7.7	0	453	3.5898
MAX	1.72	0	10.4	8.6	0	453	5.623
MIN	0.606	0	8.2	6.8	0	453	0.012

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 P.O. Box 538704
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Station Code : 001
 Reported Date (Month Year) : December 2004

Application :
 11000004*GD

1/13/2005

Sampling Station Description :
 Final Outfall

n(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample

Reporting Lab :

Analyst :

n(2) - Enter frequency of sampling

(1)	3	3	2	1	1	3	
(2)	1	1	998	999	999	1	
	(39100) Bis(2-ethylhexyl) Phthalate ug/l	(34496) 1,1-Dichloroethane ug/l	(00979) Cobalt, Total Recoverable ug/l	(61941) pH, Maximum S.U.	(61942) pH, Minimum S.U.	(50092) Mercury, Total (Low Level) ng/l	
01			AA	6.9	6.8		
02				6.9	6.9		
03			AA	7.2	7.1		
04				7.2	7.1		
05				7.4	7.3		
06				7.5	7.4		
07				7.6	7		
08				7.5	6.9		
09				6.9	6.9		
10			AA	6.9	6.8		
11				7.2	7.1		
12				6.9	6.8		
13	AA	AA	AA	7	6.9		
14				7	6.9		
15			AA	7	6.9		
16				6.9	6.9		
17				6.9	6.8		
18				6.9	6.9		
19				7.1	7		
20				7.1	7	AA	
21			AA	7.1	7		
22				7.1	7		
23				6.8	6.7		
24				6.8	6.7		
25				6.8	6.8		
26				6.8	6.8		
27			AA	6.8	6.8		
28			AA	7.1	7		
29				6.9	6.8		
30				6.9	6.8		
31				6.8	6.8		
TOTAL	0	0	0	217.9	214.6	0	0
AVG	0	0	0	N/A	N/A	0	
MAX	0	0	0	7.6	7.4	0	
MIN	0	0	0	6.8	6.7	0	0

MONTHLY REPORT FORM

4500

Name, Address City, County, ZIP :
 USDOE FERNALD ENVIRONMENTAL MGMT
 PROJ

Station Code :
 001

Reported Date (Month Year) :
 December 2004

Application :
 11000004*GD

1/13/2005

Fluor Fernald
 P.O. Box 538704
 Cincinnati OH 45253870

Sampling Station Description :
 Final Outfall

Reporting Code	Result Date	Additional Remarks	Mdl
00530	12/05/2004	12/5/04: SYSTEMS TAKEN OFF-LINE FOR CONSTRUCTION. DUE TO LOW FLOW INSUFFICIENT SAMPLE VOLUME WAS COLLECTED	.
00530	12/06/2004	SYSTEMS TAKEN OFF-LINE FOR CONSTRUCTION. DUE TO LOW FLOW INSUFFICIENT SAMPLE VOLUME WAS COLLECTED.	.
00530	12/31/2004		2.
00610	12/01/2004		.016
00610	12/03/2004		.016
00610	12/10/2004		.016
00610	12/13/2004		.016
00610	12/15/2004		.016
00610	12/21/2004		.016
00610	12/27/2004		.016
00610	12/28/2004		.016
00719	12/20/2004		.002
00978	12/20/2004		5.
00979	12/01/2004		1.
00979	12/03/2004		1.
00979	12/10/2004		1.
00979	12/13/2004		1.
00979	12/15/2004		1.
00979	12/21/2004		1.
00979	12/27/2004		1.
00979	12/28/2004		1.
00981	12/01/2004		5.
00981	12/03/2004		5.
00981	12/05/2004	12/5/04: SYSTEMS TAKEN OFF-LINE FOR CONSTRUCTION. DUE TO LOW FLOW INSUFFICIENT SAMPLE VOLUME WAS COLLECTED	.
00981	12/10/2004		5.
00981	12/13/2004		5.
00981	12/14/2004		5.
00981	12/15/2004		5.
00981	12/17/2004		5.
00981	12/21/2004		5.
00981	12/26/2004		5.
00981	12/27/2004		5.
00981	12/28/2004		5.
00998	12/20/2004		1.
01009	12/05/2004	12/5/04: SYSTEMS TAKEN OFF-LINE FOR CONSTRUCTION. DUE TO LOW FLOW INSUFFICIENT SAMPLE VOLUME WAS COLLECTED	.
01062	12/05/2004	12/5/04: SYSTEMS TAKEN OFF-LINE FOR CONSTRUCTION. DUE TO LOW FLOW INSUFFICIENT SAMPLE VOLUME WAS COLLECTED	.
01074	12/01/2004		1.
01074	12/03/2004		1.

Reporting Code	Result Date	Additional Remarks	Mdt
01074	12/05/2004	12/5/04: SYSTEMS TAKEN OFF-LINE FOR CONSTRUCTION. DUE TO LOW FLOW INSUFFICIENT SAMPLE VOLUME WAS COLLECTED	.
01074	12/13/2004		1.
01074	12/14/2004		1.
01079	12/01/2004		1.
01079	12/03/2004		1.
01079	12/05/2004	12/5/04: SYSTEMS TAKEN OFF-LINE FOR CONSTRUCTION. DUE TO LOW FLOW INSUFFICIENT SAMPLE VOLUME WAS COLLECTED	.
01079	12/10/2004		1.
01079	12/13/2004		1.
01079	12/14/2004		1.
01079	12/15/2004		1.
01079	12/17/2004		1.
01079	12/21/2004		1.
01079	12/26/2004		1.
01079	12/27/2004		1.
01079	12/28/2004		1.
01094	12/01/2004		5.
01094	12/03/2004		5.
01094	12/05/2004	12/5/04: SYSTEMS TAKEN OFF-LINE FOR CONSTRUCTION. DUE TO LOW FLOW INSUFFICIENT SAMPLE VOLUME WAS COLLECTED.	.
01094	12/10/2004		5.
01094	12/13/2004		5.
01094	12/14/2004		5.
01094	12/15/2004		5.
01094	12/17/2004		5.
01094	12/21/2004		5.
01094	12/26/2004		5.
01094	12/27/2004		5.
01094	12/28/2004		5.
01113	12/01/2004		1.
01113	12/03/2004		1.
01113	12/05/2004	12/5/04: SYSTEMS TAKEN OFF-LINE FOR CONSTRUCTION. DUE TO LOW FLOW INSUFFICIENT SAMPLE VOLUME WAS COLLECTED.	.
01113	12/10/2004		1.
01113	12/13/2004		1.
01113	12/14/2004		1.
01113	12/15/2004		1.
01113	12/17/2004		1.
01113	12/21/2004		1.
01113	12/26/2004		1.
01113	12/27/2004		1.
01113	12/28/2004		1.
01114	12/01/2004		1.
01114	12/03/2004		1.
01114	12/05/2004	12/5/04: SYSTEMS TAKEN OFF-LINE FOR CONSTRUCTION. DUE TO LOW FLOW INSUFFICIENT SAMPLE VOLUME WAS COLLECTED.	.
01114	12/10/2004		1.
01114	12/13/2004		1.
01114	12/14/2004		1.
01114	12/15/2004		1.

Reporting Code	Result Date	Additional Remarks	Mdl
01114	12/17/2004		1.
01114	12/21/2004		1.
01114	12/26/2004		1.
01114	12/27/2004		1.
01114	12/28/2004		1.
01118	12/03/2004		1.
01118	12/05/2004	12/5/04: SYSTEMS TAKEN OFF-LINE FOR CONSTRUCTION. DUE TO LOW FLOW INSUFFICIENT SAMPLE VOLUME WAS COLLECTED.	.
01119	12/03/2004		1.
01119	12/05/2004	12/5/04: SYSTEMS TAKEN OFF-LINE FOR CONSTRUCTION. DUE TO LOW FLOW INSUFFICIENT SAMPLE VOLUME WAS COLLECTED.	.
01119	12/13/2004		1.
01119	12/14/2004		1.
01119	12/15/2004		1.
01119	12/17/2004		1.
01119	12/21/2004		1.
01119	12/26/2004		1.
01119	12/27/2004		1.
01119	12/28/2004		1.
01268	12/20/2004		1.
32106	12/13/2004		1.
34496	12/13/2004		1.
39100	12/13/2004		5.
50092	12/20/2004		.5
78391	12/13/2004		1.
80082	12/01/2004		2.
80082	12/03/2004		2.
80082	12/10/2004		2.
80082	12/13/2004		2.
80082	12/15/2004		2.
80082	12/21/2004		2.
80082	12/27/2004		2.
80082	12/28/2004		2.

MONTHLY REPORT FORM

4500

Name, Address City, County, ZIP :
 USDOE FERNALD ENVIRONMENTAL MGMT
 PROJ
 Fluor Fernald
 P.O. Box 538704
 Cincinnati OH 45253870

Station Code : 002
 Reported Date (Month Year) : December 2004
 Sampling Station Description :
 Storm Water Retention Basin Overflow

Application : 1/13/2005
 11000004*GD

(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample
 (2) - Enter frequency of sampling

Reporting Lab :
 Analyst :

(1)	2	2	3	3	3	3	3
(2)	4	4	1	1	1	1	1
	(01042) Copper, Total (Cu) ug/l	(00530) Total Suspended Solids mg/l	(50050) Flow Rate MGD	(50060) Chlorine, Total Residual mg/l	(61941) pH, Maximum S.U.	(61942) pH, Minimum S.U.	(50092) Mercury, Total (Low Level) ng/l
Day							
01	AL						
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
TOTAL	0	0	0	0	0	0	0
AVG	0				N/A	N/A	
MAX	0						
MIN	0	0	0	0	0	0	0

I certify under the penalty of law that I have personally examined and am familiar with the information submitted and based on my
 inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate
 and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date Report Completed: 01/13/2005
 Signature of Reporter: Frank Johnston
 Title of Reporter: Environmental Compliance

5831

MONTHLY REPORT FORM

4500

Name, Address City, County, ZIP :
USDOE FERNALD ENVIRONMENTAL MGMT
PROJ

Fluor Fernald
P.O. Box 538704
Cincinnati OH 45253870

Station Code :
002

Reported Date (Month Year) :
December 2004

Application :
11000004*GD

1/13/2005

Sampling Station Description :

Storm Water Retention Basion Overflow

MONTHLY REPORT FORM

4500

Name, Address City, County, ZIP :
 USDOE FERNALD ENVIRONMENTAL MGMT
 PROJ
 Fluor Fernald
 P.O. Box 538704
 Cincinnati OH 45253870

Station Code : 601
 Reported Date (Month Year) : December 2004
 Sampling Station Description :
 Sewage Treatment Plant Effluent (Internal to 001)

Application :
 11000004*GD

1/13/2005

(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample

Reporting Lab :

Analyst :

(2) - Enter frequency of sampling

(1)	2	2	3	1			
(2)	998	998	1	999			
Day	(80082) CBOD 5 day mg/l	(00530) Total Suspended Solids mg/l	(00400) pH S.U.	(50050) Flow Rate MGD			
01	2.5	6	6.66	0.0195			
02			6.63	0.0163			
03	AA	6.8	6.55	0.0154			
04			6.42	0.0116			
05			AC	AC			
06			AC	AC			
07			6.89	0.0093			
08			7.45	0.0889			
09			7.2	0.0551			
10	5	9.6	6.95	0.0378			
11			7.34	0.0257			
12			7.25	0.0211			
13	3.1	12.4	7.34	0.0228			
14			7	0.0303			
15	3	11.6	7.05	0.0228			
16			7.1	0.0236			
17			7.15	0.0132			
18			6.81	0.0077			
19			AC	AC			
20			AC	AC			
21	AC	AC	AC	AC			
22			AC	AC			
23			AC	AC			
24			AC	AC			
25			AC	AC			
26			AC	AC			
27	AC	AC	AC	AC			
28	8.5	38	6.94	0.0238			
29			7.71	0.0354			
30			7.49	0.0066			
31			7.48	0.0044			
TOTAL	22.1	84.4	141.41	0.4913	0	0	0
AVG	3.6833	14.0667	N/A	0.0246			
MAX	8.5	38	7.71	0.0889			
MIN	0	6	6.42	0.0044	0	0	0

I certify under the penalty of law that I have personally examined and am familiar with the information submitted and based on my
 inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate
 and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date Report Completed:
 01/13/2005

Signature of Reporter:
 Frank Johnston

Title of Reporter:
 Environmental Compliance

5831

MONTHLY REPORT FORM

4500

Name, Address City, County, ZIP :
USDOE FERNALD ENVIRONMENTAL MGMT
PROJ
Duor Fernald
P.O. Box 538704
Cincinnati OH 45253870

Station Code :
601

Reported Date (Month Year) :
December 2004

Application :
11000004*GD

1/13/2005

Sampling Station Description :

Sewage Treatment Plant Effluent (Internal to 001)

Reporting Code	Result Date	Additional Remarks	Mdl
80082	12/03/2004		2.

Name, Address City, County, ZIP :
USDOE FERNALD ENVIRONMENTAL MGMT
PROJ
Fluor Fernald
P.O. Box 538704
Cincinnati OH 45253870

Station Code : 003
Reported Date (Month Year) : December 2004
Application : 11000004*GD
Sampling Station Description :
Storm water runoff to Paddys Run

1/13/2005

n(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample	Reporting Lab :	Analyst :
n(2) - Enter frequency of sampling		

(1)	3	2	2	3	3	3	3
(2)	1	4	4	1	1	1	1
	(31616) Fecal Coliform #/100 ml	(01119) Copper, Total Recoverable ug/l	(00530) Total Suspended Solids mg/l	(50050) Flow Rate MGD	(61941) pH, Maximum S.U.	(61942) pH, Minimum S.U.	(50092) Mercury, Total (Low Level) ng/l
Day							
01							
02							
03							
04							
05							
06	2888	AA	15.6	1.314	8.2	8.2	1.67
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
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25							
26							
27							
28							
29							
30							
31							
TOTAL	2888	0	15.6	1.314	8.2	8.2	1.67
AVG	2888	0	15.6	1.314	N/A	N/A	1.67
MAX	2888	0	15.6	1.314	8.2	8.2	1.67
MIN	2888	0	15.6	1.314	8.2	8.2	1.67

I certify under the penalty of law that I have personally examined and am familiar with the information submitted and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date Report Completed:
01/13/2005

Signature of Reporter:
Frank Johnston

Title of Reporter:
Environmental Compliance

5831

MONTHLY REPORT FORM

4500

Name, Address City, County, ZIP :
ISDOE FERNALD ENVIRONMENTAL MGMT
Cincinnati OH 452538704

Station Code :
003

Reported Date (Month Year) :
December 2004

Application :
11000004*GD

1/13/2005

fluor Fernald
P.O. Box 538704
Cincinnati OH 452538704

Sampling Station Description :
Storm water runoff to Paddys Run

Reporting Code	Result Date	Additional Remarks	Mdl
01119	12/06/2004		1.

MONTHLY REPORT FORM

4500

Name, Address City, County, ZIP :
 SDOE FERNALD ENVIRONMENTAL MGMT
 ROJ
 uor Fernald
 O. Box 538704
 Cincinnati OH 45253870

Station Code : 004
 Reported Date (Month Year) : December 2004
 Application : 11000004*GD

1/13/2005

Sampling Station Description :
 Storm water runoff to Paddys Run

(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample	Reporting Lab :	Analyst :
(2) - Enter frequency of sampling		

(1)	3	2	2	2	2	3	3
(2)	1	4	4	4	4	1	1
Day	(31616) Fecal Coliform #/100 ml	(01114) Lead, Total Recoverable ug/l	(01119) Copper, Total Recoverable ug/l	(01079) Silver, Total Recoverable ug/l	(00530) Total Suspended Solids mg/l	(50050) Flow Rate MGD	(61941) pH, Maximum S.U.
01							
02							
03							
04							
05							
06							
07							
08	1	AA	3.53	AA	10.8	0.126	6.62
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
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25							
26							
27							
28							
29							
30							
31							
TOTAL	1	0	3.53	0	10.8	0.126	6.62
VG	1	0	3.53	0	10.8	0.126	N/A
MAX	1	0	3.53	0	10.8	0.126	6.62
MIN	1	0	3.53	0	10.8	0.126	6.62

I certify under the penalty of law that I have personally examined and am familiar with the information submitted and based on my
 inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate
 and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Report Completed:
 1/13/2005

Signature of Reporter:
 Frank Johnston

Title of Reporter:
 Environmental Compliance

Name, Address City, County, ZIP :
 3DOE FERNALD ENVIRONMENTAL MGMT
 ROJ
 Jor Fernald
 D. Box 538704
 Cincinnati OH 45253870

Station Code :

004

Reported Date (Month Year) :

December 2004

Application :

11000004*GD

1/13/2005

Sampling Station Description :

Storm water runoff to Paddys Run

(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample

Reporting Lab :

Analyst :

(2) - Enter frequency of sampling

(1)	3	3					
(2)	1	1					
Day	(61942) pH, Minimum S.U.	(50092) Mercury, Total (Low Level) ng/l					
01							
02							
03							
04							
05							
06							
07							
08	6.62	2.65					
09							
10							
11							
12							
13							
14							
15							
16							
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26							
27							
28							
29							
30							
31							
TAL	6.62	2.65	0	0	0	0	0
VG	N/A	2.65					
AX	6.62	2.65					
IIN	6.62	2.65	0	0	0	0	0

MONTHLY REPORT FORM

4500

Name, Address City, County, ZIP :
 SDOE FERNALD ENVIRONMENTAL MGMT
 ROJ
 Major Fernald
 P.O. Box 538704
 Cincinnati OH 452538704

Station Code :
 005

Reported Date (Month Year) :
 December 2004

Application :
 11000004*GD

1/13/2005

Sampling Station Description :
 Storm water runoff to Paddys Run

(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample

Reporting Lab :

Analyst :

(2) - Enter frequency of sampling

(1)	3	2	2	3	3	3	3
(2)	1	4	4	1	1	1	1
	(31616) Fecal Coliform #/100 ml	(01114) Lead, Total Recoverable ug/l	(00530) Total Suspended Solids mg/l	(50050) Flow Rate MGD	(61941) pH, Maximum S.U.	(61942) pH, Minimum S.U.	(50092) Mercury, Total (Low Level) ng/l
Day							
01							
02							
03							
04							
05							
06							
07							
08	1	AA	14.8	0.538	7.56	7.56	1.3
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
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21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
TOTAL	1	0	14.8	0.538	7.56	7.56	1.3
VG	1	0	14.8	0.538	N/A	N/A	1.3
MAX	1	0	14.8	0.538	7.56	7.56	1.3
MIN	1	0	14.8	0.538	7.56	7.56	1.3

I certify under the penalty of law that I have personally examined and am familiar with the information submitted and based on my
 inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate
 and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Report Completed:
 1/13/2005

Signature of Reporter:
 Frank Johnston

Title of Reporter:
 Environmental Compliance

MONTHLY REPORT FORM

4500

Name, Address City, County, ZIP :
SDOE FERNALD ENVIRONMENTAL MGMT
ROJ

Station Code :
005

Reported Date (Month Year) :
December 2004

Application :
11000004*GD

1/13/2005

Superior Fernald
P.O. Box 538704
Cincinnati OH 45253870

Sampling Station Description :
Storm water runoff to Paddys Run

Reporting Code	Result Date	Additional Remarks	Mdl
01114	12/08/2004		1.

MONTHLY REPORT FORM

4500

Name, Address City, County, ZIP :
 DOE FERNALD ENVIRONMENTAL MGMT
 100
 Fernald
 P.O. Box 538704
 Cincinnati OH 45253870

Station Code :

006

Reported Date (Month Year) :

December 2004

Application :

11000004*GD

1/13/2005

Sampling Station Description :

Storm water runoff to Paddys Run

1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample

Reporting Lab :

Analyst :

2) - Enter frequency of sampling

(1)	3	2	2	2	2	3	3
(2)	1	4	4	4	4	1	1
Day	(31616) Fecal Coliform #/100 ml	(01114) Lead, Total Recoverable ug/l	(01119) Copper, Total Recoverable ug/l	(01079) Silver, Total Recoverable ug/l	(00530) Total Suspended Solids mg/l	(50050) Flow Rate MGD	(61941) pH, Maximum S.U.
01							
02							
03							
04							
05							
06							
07							
08	274	AA	1.3	AA	16.8	1.494	7.37
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
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25							
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28							
29							
30							
31							
TOTAL	274	0	1.3	0	16.8	1.494	7.37
W/G	274	0	1.3	0	16.8	1.494	N/A
AX	274	0	1.3	0	16.8	1.494	7.37
IN	274	0	1.3	0	16.8	1.494	7.37

I certify under the penalty of law that I have personally examined and am familiar with the information submitted and based on my
 knowledge of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate
 and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Report Completed:
 1/13/2005

Signature of Reporter:
 Frank Johnston

Title of Reporter:
 Environmental Compliance

Name, Address City, County, ZIP :
DOE FERNALD ENVIRONMENTAL MGMT
Cincinnati
Box 538704
OH 45253870

Station Code :

006

Reported Date (Month Year) :

December 2004

Application :

11000004*GD

1/13/2005

Sampling Station Description :

Storm water runoff to Paddys Run

(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample

Reporting Lab :

Analyst :

(2) - Enter frequency of sampling

(1)	3	3					
(2)	1	1					
Day	(61942) pH, Minimum S.U.	(50092) Mercury, Total (Low Level) ng/l					
01							
02							
03							
04							
05							
06							
07							
08	7.37	1.98					
09							
10							
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31							
TOTAL	7.37	1.98	0	0	0	0	0
AVG	N/A	1.98					
MAX	7.37	1.98					
MIN	7.37	1.98	0	0	0	0	0

MONTHLY REPORT FORM

4500

Name, Address City, County, ZIP :
\$DOE FERNALD ENVIRONMENTAL MGMT
ROJ

Station Code :
006

Reported Date (Month Year) :
December 2004

Application :
11000004*GD

1/13/2005

Major Fernald
P.O. Box 538704
Cincinnati OH 45253870

Sampling Station Description :
Storm water runoff to Paddys Run

Reporting Code	Result Date	Additional Remarks	Mdl
01079	12/08/2004		1.
01114	12/08/2004		1.

MONTHLY REPORT FORM

4500

Name, Address City, County, ZIP :
 DOE FERNALD ENVIRONMENTAL MGMT
 100
 100 Fernald
 P.O. Box 538704
 Cincinnati OH 452538704

Station Code :

801

Reported Date (Month Year) :

December 2004

Application :

11000004*GD

1/13/2005

Sampling Station Description :

Upstream monitoring

1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample

Reporting Lab :

Analyst :

2) - Enter frequency of sampling

(1)	3	3	3	3	3	3	3
(2)	1	1	1	1	1	1	1
ay	(01094) Zinc, Total Recoverable ug/l	(01113) Cadmium, Total Recoverable ug/l	(01114) Lead, Total Recoverable ug/l	(01118) Chromium, Total Recoverable ug/l	(01119) Copper, Total Recoverable ug/l	(01037) Cobalt, Total (Co) ug/l	(01055) Manganese, Total (Mn) ug/l
01							
02							
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268							
2							

Name, Address City, County, ZIP :
DOE FERNALD ENVIRONMENTAL MGMT
Cincinnati, OH 45238
Box 538704

Station Code :
801

Reported Date (Month Year) :
December 2004

Application :
11000004*GD

1/13/2005

Sampling Station Description :
Upstream monitoring

1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample
2) - Enter frequency of sampling

Reporting Lab :

Analyst :

(1)	3	3	3	3	3	3	3
(2)	1	1	1	1	1	1	1
Day	(01074) Nickel, Total Recoverable ug/l	(01079) Silver, Total Recoverable ug/l	(00900) Hardness, Total (CaCO3) mg/l	(00610) Nitrogen, Ammonia (NH3) mg/l	(00010) Water Temperature C	(00300) Dissolved Oxygen mg/l	(00400) pH S.U.
01							
02							
03							
04							
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06							
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17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27	3.85	AA	352	0.125	0.04	6.38	7.38
28							
29							
30							
31							
TOTAL	3.85	0	352	0.125	0.04	6.38	7.38
1/G	3.85	0	352	0.125	0.04	6.38	N/A
1/AX	3.85	0	352	0.125	0.04	6.38	7.38
1/IN	3.85	0	352	0.125	0.04	6.38	7.38

MONTHLY REPORT FORM

4500

Name, Address City, County, ZIP :
 DOE FERNALD ENVIRONMENTAL MGMT
 OH
 Fernald
 P.O. Box 538704
 Cincinnati OH 452538704

Station Code :
 801

Reported Date (Month Year) :
 December 2004

Application :
 11000004*GD

1/13/2005

Sampling Station Description :
 Upstream monitoring

(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample
 (2) - Enter frequency of sampling

Reporting Lab :

Analyst :

(1)	3						
(2)	1						
	(71901) Mercury, Total Recoverable ug/l						
ay							
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							
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15							
16							
17							
18							
19							
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21							
22							
23							
24							
25							
26							
27	0.000803						
28							
29							
30							
31							
TAL	0.0008	0	0	0	0	0	0
VG	0.0008						
AX	0.000803						
IN	0.000803	0	0	0	0	0	0

MONTHLY REPORT FORM

4500

Name, Address City, County, ZIP :
DOE FERNALD ENVIRONMENTAL MGMT
OH
for Fernald
P.O. Box 538704
Cincinnati OH 45253870

Station Code :
801

Reported Date (Month Year) :
December 2004

Application :
11000004*GD

1/13/2005

Sampling Station Description :
Upstream monitoring

Reporting Code	Result Date	Additional Remarks	Mdl
01037	12/27/2004		1.
01079	12/27/2004		1.
01113	12/27/2004		1.
01114	12/27/2004		1.

5831

MONTHLY REPORT FORM

4500

Name, Address City, County, ZIP :
 DOE FERNALD ENVIRONMENTAL MGMT
 OJ
 or Fernald
 O. Box 538704
 Cincinnati OH 452538704

Station Code :
 902

Reported Date (Month Year) :
 December 2004

Application :
 1I000004*GD

1/13/2005

Sampling Station Description :
 Downstream monitoring

1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample
 2) - Enter frequency of sampling

Reporting Lab :

Analyst :

(1)	3	3	3	3	3	3	3
(2)	1	1	1	1	1	1	1
ay	(01094) Zinc, Total Recoverable ug/l	(01113) Cadmium, Total Recoverable ug/l	(01114) Lead, Total Recoverable ug/l	(01118) Chromium, Total Recoverable ug/l	(01119) Copper, Total Recoverable ug/l	(01055) Manganese, Total (Mn) ug/l	(01074) Nickel, Total Recoverable ug/l
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
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16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27	12.1	AA	AA	2.99	4.68	19.1	3.57
28							
29							
30							
31							
TAL	12.1	0	0	2.99	4.68	19.1	3.57
/G	12.1	0	0	2.99	4.68	19.1	3.57
AX	12.1	0	0	2.99	4.68	19.1	3.57
IN	12.1	0	0	2.99	4.68	19.1	3.57

I certify under the penalty of law that I have personally examined and am familiar with the information submitted and based on my
 try of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate
 complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Report Completed:
 1/13/2005

Signature of Reporter:
 Frank Johnston

Title of Reporter:
 Environmental Compliance

MONTHLY REPORT FORM

4500

Name, Address City, County, ZIP :
 DOE FERNALD ENVIRONMENTAL MGMT
 OJ
 or Fernald
), Box 538704
 Cincinnati OH 45253870

Station Code : 902
 Reported Date (Month Year) : December 2004

Application :
 11000004*GD

1/13/2005

Sampling Station Description :
 Downstream monitoring

1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample	Reporting Lab :	Analyst :
2) - Enter frequency of sampling		

(1)	3	3	3	3	3	3	3
(2)	1	1	1	1	1	1	1
	(01077) Silver, Total (Ag) ug/l	(00900) Hardness, Total (CaCO3) mg/l	(00610) Nitrogen, Ammonia (NH3) mg/l	(00010) Water Temperature C	(00300) Dissolved Oxygen mg/l	(00400) pH S.U.	(71901) Mercury, Total Recoverable ug/l
Day							
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
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15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27	AA	346	0.117	0.32	9.8	6.85	0.000816
28							
29							
30							
31							
TOTAL	0	346	0.117	0.32	9.8	6.85	0.0008
VG	0	346	0.117	0.32	9.8	N/A	0.0008
MAX	0	346	0.117	0.32	9.8	6.85	0.000816
MIN	0	346	0.117	0.32	9.8	6.85	0.000816

Name, Address City, County, ZIP :
DOE FERNALD ENVIRONMENTAL MGMT
IOJ
Fernald
Box 538704
Cincinnati OH 45253870

Station Code :
902

Reported Date (Month Year) :
December 2004

Application :
11000004*GD

1/13/2005

Sampling Station Description :
Downstream monitoring

(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample
(2) - Enter frequency of sampling

Reporting Lab :

Analyst :

(1)	3						
(2)	1						
	(00979) Cobalt, Total Recoverable ug/l						
Day							
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27	AA						
28							
29							
30							
31							
TOTAL	0	0	0	0	0	0	0
VG	0						
IAX	0						
MIN	0	0	0	0	0	0	0

MONTHLY REPORT FORM

4500

5831

Name, Address City, County, ZIP :
SDOE FERNALD ENVIRONMENTAL MGMT
ROJ
Duor Fernald
P.O. Box 538704
Cincinnati OH 45253870

Station Code :
902

Reported Date (Month Year) :
December 2004

Application :
11000004*GD

1/13/2005

Sampling Station Description :
Downstream monitoring

Reporting Code	Result Date	Additional Remarks	Mdl
00979	12/27/2004		1.
01077	12/27/2004		1.
01113	12/27/2004		1.
01114	12/27/2004		1.